Performance Data Sheet

AJA2425ZXA

General Information

Model	AJA2425ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	1330	968	646	362	115		
	Watts	356	341	318	284	233	160	62.1
	Amps	4.91	4.87	4.77	4.60	4.34	3.98	3.50
	Lb/h	10.4	12.2	11.7	8.97	4.29		
-35	Btu/h	1720	1310	950	621	325	62.5	
	Watts	428	407	381	344	294	224	131
	Amps	5.37	5.28	5.13	4.91	4.61	4.22	3.72
	Lb/h	18.8	18.7	16.7	12.9	7.58	0.96	
-30	Btu/h	2200	1760	1350	969	621	304	15.8
	Watts	509	484	455	418	370	304	218
	Amps	5.92	5.80	5.62	5.38	5.06	4.64	4.13
	Lb/h	30.1	28.0	24.5	19.6	13.7	6.88	
-25	Btu/h	2790	2290	1830	1400	992	616	266
	Watts	596	567	538	503	457	398	319
	Amps	6.54	6.40	6.21	5.96	5.64	5.23	4.72
	Lb/h	43.7	39.7	34.6	28.7	22.1	15.2	7.95
-20	Btu/h	3450	2900	2380	1890	1430	988	573
	Watts	686	655	626	593	553	501	431
	Amps	7.20	7.06	6.87	6.63	6.32	5.93	5.45
	Lb/h	59.1	53.2	46.6	39.7	32.5	25.3	18.4
-15	Btu/h	4180	3580	3000	2450	1920	1410	925
	Watts	773	742	715	687	654	610	551
	Amps	7.87	7.74	7.58	7.36	7.09	6.74	6.30
	Lb/h	76.0	68.2	60.1	52.1	44.3	37.0	30.3
-10	Btu/h	4970	4310	3670	3050	2450	1870	1310
	Watts	856	826	803	781	755	722	676
	Amps	8.51	8.42	8.30	8.13	7.90	7.60	7.22
	Lb/h	93.9	84.1	74.5	65.5	57.1	49.6	43.2
-5	Btu/h	5820	5090	4380	3690	3020	2360	1720
	Watts	931	904	885	870	854	832	800
	Amps	9.10	9.06	9.00	8.89	8.73	8.50	8.20
	Lb/h	112	101	89.5	79.4	70.4	62.8	56.7

0	Btu/h	6700	5900	5120	4350	3600	2870	2150
	Watts	993	971	958	952	947	939	922
	Amps	9.61	9.64	9.65	9.62	9.55	9.41	9.20
	Lb/h	131	117	105	93.4	83.8	76.0	70.2
5	Btu/h	7600	6730	5880	5030	4200	3380	2580
	Watts	1040	1020	1020	1020	1030	1040	1040
	Amps	10.0	10.1	10.2	10.3	10.3	10.3	10.2
	Lb/h	149	133	119	107	96.9	88.9	83.4
10	Btu/h	8530	7580	6640	5720	4800	3900	3000
	Watts	1070	1060	1060	1080	1100	1120	1140
	Amps	10.3	10.5	10.7	10.9	11.0	11.1	11.2
	Lb/h	166	149	133	120	109	101	95.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.381514E+04	2.104733E+03	1.003637E+01	2.565070E+02
C2	2.744559E+02	1.907909E+01	1.740468E-04	9.919721E+00
C3	-9.822153E+01	-2.980507E+01	-2.789072E-02	-1.504105E+00
C4	1.229265E+00	-5.474310E-01	-5.085577E-03	-8.592051E-03
C5	-9.769866E-01	-2.784889E-01	7.384099E-04	-1.135324E-01
C6	1.274734E-01	2.606062E-01	4.483400E-04	-3.633025E-03
C7	-1.414589E-02	-4.666885E-03	-4.008930E-05	-6.068064E-04
C8	-8.331395E-03	2.995433E-03	3.524734E-05	9.161763E-06
C9	-2.652209E-03	2.232227E-03	4.954438E-06	4.419267E-04
C10	-1.510464E-04	-7.718052E-04	-2.082645E-06	3.479707E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature